

L63 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1993:23700 CAPLUS
 DN 118:23700
 ED Entered STN: 24 Jan 1993
 TI Manufacture of weather-, permanently flameproofed yarn, a yarn based
 fabric, and a dyed yarn-based awning for outdoor use
 IN Lauterburg, Nikolaus
 PA Lauterburg und Cie A.-G., Switz.
 SO Eur. Pat. Appl., 5 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 IC ICM D06P003-54
 ICS D06P001-00
 CC 40-6 (Textiles and Fibers)
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------------------------|------|----------|------------------|--------------|
| PI | EP 503114 | A1 | 19920916 | EP 1991-103858 | 19910313 <-- |
| | EP 503114 | B1 | 19970102 | | |
| | R: AT, CH, DE, ES, FR, IT, LI, NL | | | | |
| | AT 147110 | E | 19970115 | AT 1991-103858 | 19910313 |
| | ES 2033659 | T3 | 19970401 | ES 1991-103858 | 19910313 |
| | DE 19540451 | C1 | 19970430 | DE 1995-19540451 | 19951031 |
| | EP 775772 | A2 | 19970528 | EP 1996-115402 | 19960925 |
| | EP 775772 | A3 | 19970723 | | |
| | EP 775772 | B1 | 20010516 | | |
| | R: AT, CH, DE, ES, FR, IT, LI, NL | | | | |
| | ES 2159668 | T3 | 20011016 | ES 1996-115402 | 19960925 |
| PRAI | EP 1991-103858 | A | 19910313 | | |
| | DE 1995-19540451 | A | 19951031 | | |

CLASS

| | PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|----|---|-------|--|
| | EP 503114 | ICM | D06P003-54 |
| | | ICS | D06P001-00 |
| | | IPCI | D06P0003-54 [ICM,5]; D06P0001-00 [ICS,5] |
| | | ECLA | D06P001/00A; D06P003/54 <-- |
| | AT 147110 | IPCI | D06P0003-54 [ICM,6]; D06P0001-00 [ICS,6] |
| | ES 2033659 | IPCI | D06P0003-54 [ICM,6]; D06P0001-00 [ICS,6] |
| | DE 19540451 | IPCI | D06M0017-00; D06M0011-83; D06M0154-23; D06M0132-92; C23C0014-20; E04F0010-02; D03D0015-00; D06M0017-00; D06M0101-32; D06M0101-26 |
| | | ECLA | D06M011/83; D06M013/292; D06M015/256; D06M015/423; D06N003/00E2; E04F010/02 |
| | EP 775772 | IPCI | D06M0011-83 [ICM,6] |
| | | ECLA | D06M011/83; D06M015/423; D06N003/00E2; E04F010/02; D06M013/292; D06M015/256 |
| | ES 2159668 | IPCI | D06M0011-83 [ICM,7] |
| AB | Title yarns in various shades for the title use comprise a PET yarn dyed in a bath with a composition containing a weatherproof difficulty flammable disperse dye (in an amount dependent on the depth of shade and type of dyeing), HOAc to adjust pH to 4.5-5, NaOAc or similar compound to stabilize pH, and a leveling agent in an autoclave under pressure at 50-150°. | | |
| ST | fireproof weatherproof polyester yarn dyeing; awning polyester yarn weatherproof fireproof | | |
| IT | Dyes (disperse, in manufacture of weatherproof fireproof polyester textiles) | | |
| IT | Dyeing (disperse, of polyester yarns, for manufacture of fireproof weatherproof textiles) | | |
| IT | 64-19-7, Acetic acid, uses 127-09-3, Sodium acetate 67339-67-7, Eganal | | |

PS
 RL: USES (Uses)
 (in dyeing polyester yarn for weatherproof fireproof textile manufacture)

IT 121274-02-0, Scotchgard FC 251 145054-41-7, Pekoflam PES
 RL: USES (Uses)
 (in manufacture of weatherproof fireproof polyester yarn textiles)

RN 64-19-7
 RN 127-09-3
 RN 67339-67-7
 RN 121274-02-0
 RN 145054-41-7

L63 ANSWER 2 OF 2 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 1992-309362 [38] WPIX
 DNC C1992-137382

TI Dyeing polyethylene terephthalate yarn for use in striped marquee canvas -
 which is weatherproof and permeable and has permanent low flammability.

DC A23 A35 E24 F06
 IN LAUTERBURG, N
 PA (LAUT-N) LAUTERBURG & CIE AG
 CYC 8

PI EP 503114 A1 19920916 (199238) * GE 5 D06P003-54 <--
 R: AT CH DE ES FR IT LI NL
 ES 2033659 T1 19930401 (199323) D06P003-54
 EP 503114 B1 19970102 (199706) GE 6 D06P003-54 <--
 R: AT CH DE ES FR IT LI NL
 DE 59108454 G 19970213 (199712) D06P003-54
 ES 2033659 T3 19970401 (199720) D06P003-54

ADT EP 503114 A1 EP 1991-103858 19910313; ES 2033659 T1 EP 1991-103858
 19910313; EP 503114 B1 EP 1991-103858 19910313; DE 59108454 G DE
 1991-508454 19910313, EP 1991-103858 19910313; ES 2033659 T3 EP
 1991-103858 19910313

FDT ES 2033659 T1 Based on EP 503114; DE 59108454 G Based on EP 503114; ES
 2033659 T3 Based on EP 503114

PRAI EP 1991-103858 19910313
 REP 2.Jnl.Ref; JP 51113000; 3.Jnl.Ref
 IC ICM D06P003-54
 ICS D06P001-00

AB EP 503114 A UPAB: 19931113
 Production of weatherproof yarns with permanent low flammability in various
 single colours, for outdoor use, especially for marquees, comprises dyeing a
 yarn of PET, e.g. 'Tevira CS' (RTM). Dyeing is carried out under pressure
 in an autoclave at 50-115 deg. C, using a dyebath containing x% (according to
 the type and depth of dyeing) of the disperse dyestuff (I), e.g. 'Samaron'
 (RTM) or 'Terasil' (RTM), developed w.r.t. low flammability and
 weatherproofness, pref. 0.8-1.5, esp. 1% levelling agent (II), e.g. 'Eganal
 PS' (RTM), x% acetic acid (III) to pH pref. 4.5-5 and x%, pref. 2% Na
 acetate (IV) etc. as acid donor to stabilise the pH, rest water.
 The claims also cover marquee canvas of 100% PET, e.g. 'Trevira CS'
 dyed with (I) and given an oil/soil/-water-repellent finish with a
 fluorocarbon resin (V), e.g. 'Scotchguard FC' 251 (RTM) and an organic
 cpd. (VI) with high P content, e.g. 'Pekoflam PES' (RTM).
 USE/ADVANTAGE - The yarn is suitable for making patterned (striped)
 marquee canvas, which satisfies the requirements for weatherproofness and
 permanent low flammability and is also air-permeable. The oil-, grease-
 and fat-repellent hydrophobic finish does not mask the colour or impair
 the other properti
 Dwg.0/0

FS CPI
 FA AB; DCN
 MC CPI: A04-E10; A05-E04C; A08-F03; A08-M01A; A11-A01B; A12-G03; A12-R;
 A12-S05N; E10-C04J; E25; F03-C02; F03-C02A; F03-C03A; F03-F07;
 F03-F18; F03-F32; F04-B; F04-E

L45 ANSWER 19 OF 1490 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:799044 CAPLUS
 DN 138:222893
 ED Entered STN: 22 Oct 2002
 TI Antifouling and **antibacterial** finishing of **polyester**
 fibers by new surface **fluoroalkylation** agent
 AU Kawase, Tokuzo
 CS Faculty of Human Life Science, Osaka City University, Osaka, 558-8585,
 Japan
 SO Sen'i Seihin Shohi Kagaku (2002), 43(9), 568-572
 CODEN: SESKB9; ISSN: 0037-2072
 PB Nippon Sen'i Seihin Shohi Kagakkai
 DT Journal; General Review
 LA Japanese
 CC 40-0 (Textiles and Fibers)
 AB A review is given on antifouling of **polyester** fibers by
fluoroalkylation of the surface of the fibers, synthesis of
fluorine-containing antifouling and **antibacterial** isocyanate
 oligomers, and results and discussion.
 ST review anticontamination **bacteria** resistant finishing surface
fluoro alkylation agent
 IT **Polyester** fibers, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)
 (antifouling and **antibacterial** finishing of **polyester**
 fibers by new surface **fluoroalkylation** agent)
 IT Antifouling agents
 (antifouling of **polyester** fibers by **fluoroalkylation**
 of the surface of **polyester** fibers)
 IT Haloalkylation
 (**fluoroalkylation**; antifouling and **antibacterial**
 finishing of **polyester** fibers by new surface
fluoroalkylation agent)
 IT **Antibacterial** agents
 (synthesis of **fluorine**-containing antifouling and
antibacterial isocyanate oligomers)
 IT 661-20-1DP, Isocyanate, **fluorine**-containing, oligomers
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of **fluorine**-containing antifouling and
antibacterial isocyanate oligomers)
 RN 661-20-1DP